

# GERARDO YAEL DE LEÓN MEDINA

## BACHELOR'S SCIENCE IN INFORMATION TECHNOLOGIES

**Presentation page: [yaelmedina.dev](http://yaelmedina.dev)**

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I Fullstack Software Engineer (Angular/React) | Node.js | SQL Server/MySQL | CI/CD & Automation with N8N  
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### SUMMARY

Fullstack Software Engineer with ~3 years of experience building and maintaining production web systems. Strong focus on Angular/React frontends, Node.js backends, SQL databases, and reliable deployments. Experienced in reengineering legacy modules, delivering end-to-end internal systems, and working with real production constraints.

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### TECHNICAL SKILLS

- N8N
- React
- Angular (6 & 20 - 21)
- SQL Server (T-SQL)
- MySQL
- Python (LangChain, FastAPI)
- NodeJS
- CI/CD: GitLab CI
- Containers: Docker
- PowerShell (Windows)



### SELECTED PROJECTS – AUTOMATION & AI

#### AI Agent for Housing Development Reporting

Python, LangChain, Gemini

- Designed and implemented an AI-powered SQL Agent to query and summarize housing development data.
- Abstracted complex SQL queries into natural-language questions, enabling non-technical users to retrieve project status information.
- Improved access to up-to-date residential development metrics, reducing dependency on manual queries and ad-hoc reports.
- Integrated AI-generated insights into internal reporting workflows to support faster decision-making.



### PROFESSIONAL EXPERIENCE

#### Fullstack Software Engineer (Angular / MySQL / NodeJS)

Development Freelance, Aug 2022 - Present

- Designed and maintained CI/CD pipelines using GitLab CI to automate build and deployment of Angular and Node.js applications.
- Containerized applications using Docker to standardize environments and reduce deployment issues.
- Supported production deployments and hotfixes, reducing manual intervention during releases.

#### Automation & Reporting System

##### n8n, SQL Server, Outlook

- Designed and implemented automated reporting workflows using n8n, replacing manual data collection and report generation.
- Regenerated and consolidated critical housing development data from SQL databases to provide accurate, up-to-date status reports.
- Automated scheduled delivery of executive reports to CEO-level stakeholders via enterprise Outlook email.
- Improved visibility of residential development progress and reduced human error in reporting processes.



### EDUCATION

Universidad Autónoma de Aguascalientes

Bachelor's science in information technologies



### COURSES / LANGUAGES

English

Intermediate level (B1)